

ELECTRICAL BRAZING OR SOLDERING GUNS

Patent number: GB1480101
Publication date: 1977-07-20
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Applicant: GRUNDY & PARTNERS LTD
Classification:
- International: (IPC1-7): B23K1/10
- european: B23K9/20B2
Application number: GB19740001925 19750414
Priority number(s): GB19740001925 19750414

Abstract of GB1480101

1480101 Arc stud soldering GRUNDY & PARTNERS Ltd 14 April 1975 [15 Jan 1974] 01925/74 Heading B3R An arc-brazing or soldering gun comprises a stud-carrier 18 attached to a spring-loaded plunger 15 which is retractible, when the stud is pressed against a surface to which it is to be brazed, to a ready position for further inward movement under the action of an electro- magnet 14, a nose portion 21, 23 screwed into the gun and manually rotatable to adjust the ready position of the plunger and plunger- operated indicating means for indicating to the operator that the plunger is in a predetermined ready position such as to result in a required arc-drawing movement. The plunger 15 may have a cam portion 25 co-operable with one of a pair of microswitches (26), 27 arranged to light an indicator lamp when the required ready position is reached. Alternatively a conductive ring on the rear portion of the plunger may co-operate with a spring-loaded ball contact. The pins or studs to be brazed may be of brass and provided with a domed head of silver solder. A refractory ferrule 23, which surrounds the stud during brazing, may be of stepped cylindrical form and toothed at its outer end to permit limited outward flow of molten solder.